



Atty. Dkt. No. 086531-0130

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Bates
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Mikihide NAKAMARU et al.
Title: REACTOR CORE AND METHOD
FOR OPERATING NUCLEAR
REACTOR
Appl. No.: 09/978,308
Filing Date: 10/17/2001
Examiner: R. Palabrica
Art Unit: 3641

RECEIVED
APR 18 2003
GROUP 3600

AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

This communication is responsive to the Office Action dated January 17, 2003, concerning the above-referenced patent application.

Please amend the application as follows:

In the Specification:

Please amend the specification as follows:

Please delete the paragraphs identified below and replace them paragraph with the following paragraphs in accordance with 37 CFR § 1.121. A marked up version of the amendments showing the changes in the specification is attached.

Page 8, please replace the first paragraph with:

Here, the ratio B/S is a numeric value corresponding to the blade width (B) of a control rod (blade) and the surface area (S) of the fuel lattice defined the surface area of a square whose side is equal to the pitch between the fuel assemblies. This numeric value (B/S) is roughly proportional to the magnitude of the control rod worth. According to the present invention, the control rod worth is

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3641

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AMENDMENT TRANSMITTAL

Commissioner for Patents
Box NON-FEE AMENDMENT
Washington, D.C. 20231

Sir:

Transmitted herewith is an amendment in the above-identified application.

- ☐ Small Entity status under 37 C.F.R. § 1.9 and § 1.27 has been established by a Small Entity statement previously submitted.
- ☐ Small Entity statement is enclosed.
- ☒ The fee required for additional claims is calculated below:

	Claims as Amended	Previously Paid For	Extra Claims Present	Rate	Additional Claims Fee
Total Claims:	11	20	0	x \$18.00	= \$0.00
Independents:	3	3	0	x \$84.00	= \$0.00
First presentation of any Multiple Dependent Claims:			+	\$280.00	= \$0.00
CLAIMS FEE TOTAL:					= \$0.00

- ☐ Applicant hereby petitions for an extension of time under 37 C.F.R. § 1.136(a) for the total number of months checked below:

<input type="checkbox"/>	Extension for response filed within the first month:	\$110.00	\$0.00
<input type="checkbox"/>	Extension for response filed within the second month:	\$410.00	\$0.00
<input type="checkbox"/>	Extension for response filed within the third month:	\$930.00	\$0.00
<input type="checkbox"/>	Extension for response filed within the fourth month:	\$1,450.00	\$0.00
<input type="checkbox"/>	Extension for response filed within the fifth month:	\$1,970.00	\$0.00
	EXTENSION FEE TOTAL:		\$0.00
	CLAIMS AND EXTENSION FEE TOTAL:		\$0.00
<input type="checkbox"/>	Small Entity Fees Apply (subtract ½ of above):		\$0.00
	TOTAL FEE:		\$0.00

- ☐ Please charge Deposit Account No. 19-0741 in the amount of \$0.00. A duplicate copy of this transmittal is enclosed.
- ☐ A check in the amount of \$0.00 is enclosed.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741. If any extensions of time are needed for timely acceptance of papers submitted herewith, applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 19-0741.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

Date April 17, 2003

By Robert M. Hansen

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